


```

QY 429 -----MYVDKTEGDSANAGADY-----EFTEGTVLKPGETOK----- 462
DB 383 EVTLNGLTAPLNQVHI-----SFSADYAQOSTFLKELMPRIILVHEANEMMLK 438
QY 463 -----EFSVG---IIDDIFEEDEHFF--VRLSNV--RIEEOPEEGMPAIFNSLPLPR 510
DB 439 OKLTLEFPDGNKIMTPKNCSEVEMFNSEKIAKTIGRLAKETPDVG----- 485
QY 511 AVLASPCVATVITLDDHAGI-----TFEEC---DTIVSSISIGMEKVLRTSGARCTV 562
DB 486 -----DTVSGILVKKGFYQIMAPDELHVSQ-----LSTATVQRI 522
QY 563 IVPRTVEGTAKGGEDFEDITYGELEFEKNDFTVKIRVKIYDEEYERQENFIALGEPK 622
DB 523 TTPVAGVGVK---HRLKTFESVEFSTDESGLPALKVHERVTVQKESKHISL---Q 576
QY 623 WMEGID-VTDR-----KITMEEDA-KRIAMGRPV----- 653
DB 577 WSSDPSIDMSYIALILNISREVPKIYMEEDAVKSEENGKKEVYIALLVSLFGD 636
QY 654 --LGEHPLLEYIEESYEFKTTVDKLIKTKMLALVVGHSNRDQFMETVYSAAGDEDED 711
DB 637 VKLENGKLVIRVDGN-----VAOLDK-----GGEVSE 666
QY 712 ESG-EERLPSCFDYV 725
DB 667 HSGLKERVRAFERI 681

RESULT 2
US-08-476-515A-84
: Sequence 84, Application US/08476515A
: Patent No. 6239270
: GENERAL INFORMATION:
: APPLICANT: Akerstrom, Goran
: APPLICANT: Juhlin, Claes
: APPLICANT: Raak, Lars
: APPLICANT: Crumley, Gregg R.
: APPLICANT: Morse, Clarence C.
: APPLICANT: Murray, Edward M.
: APPLICANT: Hjalim, Goran
: TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments
: TITLE OF INVENTION: Thereof and DNA Encoding Same
: NUMBER OF SEQUENCES: 84
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Martin Savitzky
: STREET: Rhone-Poulenc Korea Inc., 500 Arcola Rd.,
: STREET: 3C43,
: CITY: Collegeville
: STATE: PA
: COUNTRY: USA
: ZIP: 19426-0107
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: Compaq PC
: OPERATING SYSTEM: Windows 95
: SOFTWARE: Word 7.0 (Patentlin)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/476, 515A
: FILING DATE: 07-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/344, 836
: FILING DATE: 23-NOV-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: WO PCT/SB94/00483
: FILING DATE: 24-MAY-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: SE 9301764-8
: FILING DATE: 24-MAY-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Savitzky, Martin

```

```

: REGISTRATION NUMBER: 29,699
: REFERENCE/DOCKET NUMBER: A1355D
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-454-3816
: TELEFAX: 610-454-3808
: INFORMATION FOR SEQ ID NO: 84:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 4654 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-476-515A-84

Query Match      2.7%; Score 128.5; DB 4; Length 4654;
Best Local Similarity 18.4%; Pred. No. 0.055;
Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

QY 156 CGHGFIAADLPSTIVGSAFNMFIIGICVYIPDGETRKIKHL----- 200
DB 1415 CDGYMLESQRTCKV--TASESLLLVASQKIIADSVTSQVHNHISLVNGSYIAVDF 1473
QY 201 -----RVFFTA-----AMSTFAITMLVILLAVFSPGVQVVEGLLTFEPFVCLLAVYA 251
DB 1474 DSISGRIFWSDATQGTWSAFQNGTDRRV--VFDSII-----LTETIADWVG 1520
QY 252 DKRLFFYKMKKKYRTDK-----HRGIITETGDRPKGIEMDKMMNSHFLD-----GNLVP 303
DB 1521 -RLNLYWDYALETIEVSKIDSNSHTVLISKMLTNPRLGLADPR--MNEHLFLWSMGHHR 1578
QY 304 LEGKEVDESREMI-----RIL-----K 321
DB 1579 IERASMDGSMRTVIYQDKIFWPCGLTIDYPRRLLEFMDSYLDYMDPCDYNHHRQYIAS 1638
QY 322 DLKQKHPKDLQVLEMANVYALSHQOKSRAFYRIQATRMATGAGNLIKKAQAOKKAS 381
DB 1639 DLIIRHP-----TALTLEDS--VYWDRAIRVRAN--KWHGNGQSVVMY 1681
QY 382 SMS-----EYHTDEPEDEIFSKVFEPDQSYQC-----LENC- 411
DB 1682 NIQNPRLGIVAVHPKQPRSVAPCAFSCSHCLLSSQPHFYSCVCSGMSLDLNLCL 1741
QY 412 --GAVLLTVVRKGGDMKMTVVDKTED-----GSANAGADYFTEGTV---VLKPG 459
DB 1742 RDDQPLITVROHIIIFGISLNPVEKSNDAVPIAGIQN-GIDVFDDAEQIYVVENGE 1800
QY 460 TQKFPVGIIDDLTFEEDHNFVRLSNVRIBEDPBEGBMPAIFNSLPL--PRAVLASPC 517
DB 1801 IHR-----VKTGNTFTVAFASISMVGPMSMLA--- 1827
QY 518 VATVITLDDHAGITFECDTIHVESISIGMEVAVLRTSG--ARGTVIYVFTVEGTAK 574
DB 1828 -----LDWISRLX-----STNPROSIEVLTLHGDIRYRKTLIAN---DGTAL 1868
QY 575 GGGEDF---EDTYGELEFKNDFTVKIRKIYDEE-----EY 608
DB 1869 GVPFPIGITVDPARGKLYWSQGTSDGVPAKIASANNMGTSVKTLFTGNLEHLCVTLDI 1928
QY 609 EROENFIALGEPKWMERGISDYDRKLITMEEBAKRIAEGRK-VLGEHFKLEVIIIES 667
DB 1929 EEOKLYAVYGRV--IERGNVDGTRML-----VHQLSHWGIADVHDSFLYTVDEQ 1979
QY 668 YEFKTVDKLIKTKTNLALVGTSHMRDQF--MEAITVSAAGDEDEDESERLPSCFDYV 725
DB 1980 YEIERDKATGANKIYL-----RONVPRLRQLQYIHRNNAESSNG-----CSNM 2026
QY 726 MHFLTVFKVY--LFACV-----PPTYCHMGMAFVAILIIGMLTALIG--DLAS 771
DB 2027 NACQOICLPYVGGLESCATGFKLPNDNRCSYNSF---IYVSMLSAIRGSLSELD 2082
QY 772 HFCTIGL-----KDSVAVVFAVAGTSVPDTFASKAA---ALQVYAD-ASIGAVT--- 819
DB 2083 HSETMVPVAGGRRNALHVDVDSGFIYWCDFSSVASDINAIRIKIDGSLMNIYVHGI 2142

```


ZIP: 19426-0107
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.5.1
SOFTWARE: Word 6.0 (Patentlin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/652,877
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/15203
FILING DATE: 22-NOV-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/344,836
FILING DATE: 23-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/487,314
FILING DATE: 07-JUNE-1995
ATTORNEY/AGENT INFORMATION:
NAME: Savitzky, Martin
REGISTRATION NUMBER: 29,699
REFERENCE/DOCKET NUMBER: A1355E-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-454-3816
TELEFAX: 610-454-3808
INFORMATION FOR SEQ ID NO: 86:
SEQUENCE CHARACTERISTICS:
LENGTH: 4655 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-652-877-86

Query Match 2.7%; Score 128.5; DB 4; Length 4655;

Best Local Similarity 18.4%; Pred. No. 0.055; Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

QY 156 CGHFIAGDLPSTVIGSAFNMFLIIGCVVVPDGETRIKHL----- 200
DB 1415 CDGYMESDRTCKV-TASESLLLVSAONKIADSTSVHNHISLVENGSIYAVDF 1473
QY 201 -----RVFFETA-----AWSIFAIVLWYIILAVFSPGVQVVEGLLTFEPFVYLLANVA 251
DB 1474 DSISGRIFWSDATOGKTSWAFONCTDRV--VFDSSTI-----LRETIAIDWVG 1520
QY 252 DKRLLFYKMKKRYTDK-----HGGIITETGDPKKGEMDKMANSHELD-----GNLYP 303
DB 1521 -RNLVWTDYALETTEVSKIDGSHRTVLISKMLTNPRLALDPR-MNEHLFLWSDMGHPR 1578
QY 304 LEGKEVDSESRREMI-----RIIL-----K 321
DB 1579 IERASMGSMATVIVQDKIFPFCGLTIDYPRKLLYPMDSYIDYDFCDYNGHHRQVAYS 1658
QY 322 DLKOKHBEKDLQLEVANYALSHOOKSRAFYRIQATRMWTGAGNLLKHAASQAKKAS 381
DB 1639 DLIRHP-----YALFLFEDS-VYWTDRATRRVRAN--KMHGNGSVVMY 1681
QY 382 SMS-----EYHDEPDEDFISKVFDFCSYOC-----LENC- 411
DB 1682 NIOWPLGIVAVHPKOPSVNPAFNSRSHLCLLSOGPHFYSCVCSGWSLSPDLLNCL 1741
QY 412 --GAVLLTVAKGGMSTVMVDKTTED-----GSANAGADVEFTGETV-----VLKPG 459
DB 1742 RDDPFLITVQHIIITGSLPEYKSNDAWYPIAGION-GLDVEFDDDEQYIYVENGE 1800
QY 460 TQKEFSVGIIDDDIFEDEHFFVRLSNVREEQPEEGMPAIFNSPL--PRAVLASPC 517
DB 1801 IHR-----VKTGNTNTVFASISMVGPNSMLA--- 1827
QY 518 VAVTITLDDHAGITFECDTIHVSSEIGVMEKVVLRTSG--ARGVYVDFRVEGTAK 574
DB 1828 -----LDMWISRNLY-----STNPRQOSIEVLTLHGDIRYRKTLIAN-----DGTAL 1868

QY 575 GGGEDE-----EDTYGELEFKNDETIVTKIRKIVDEE-----EX 608
DB 1869 GVGFPDITVDPAKGLKLYWSQGDSCVPKAIASANDGTSVKTLFTGNLEHLCVTLDI 1928
QY 609 EROENFTIAGEPKMWERGISDVTDRKLTMEEBEAKRIAEKGP-VLGEHPKLEVIIEES 667
DB 1929 EEOKLYMAVTVGRGV-IERGNVDGTDRLML-----VHQLSHWGIADVHSPFLYYDEQ 1979
QY 668 YEFKTVDKLIKNTNLLVWGTSHMRDOF--MEAITSAACDEDEDSGEERLPSCFDYV 725
DB 1980 YEYERVDKATGANKIYL-----RDVNPRLRLQYIHRNAESSNG-----CSNM 2026
QY 726 MHFLVFMKV--LFACY-----PPTXCHGACFVNSILITIGLTAIIG--DLAS 771
DB 2027 NACQOICLPVPGGLFSCACANGFKLPNDNRCSYNSF-----IYVMSLAIKRGSLSD 2082
QY 772 HEGCTIGL--KDSYAVVFAFGTSVPDTFASKAA--ALQDVAD-ASIGNVT--- 819
DB 2083 HSETMVPVACQGRNALHDVDVSSGFYWCDFSSSVASDNAIRIKPDGSSLMNIYTHGI 2142
QY 820 GSNVNVFLGTGLAWSVAATYW 841
DB 2143 GENGVR--GIAVDVAGNLTYE 2161

RESULT 5

US-08-652-877-88
Sequence 88, Application US/08652877
Patent No. 6187548
GENERAL INFORMATION:
APPLICANT: Akersstrom, Goran
APPLICANT: Juhlin, Claes
APPLICANT: Rask, Lars
APPLICANT: Crumley, Gregg R.
APPLICANT: Morse, Clarence C.
APPLICANT: Murray, Edward M.
APPLICANT: Hjalms, Goran
TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments
TITLE OF INVENTION: thereof and DNA Encoding Same
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Rd., 3C43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426-0107
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Macintosh
OPERATING SYSTEM: System 7.5.1
SOFTWARE: Word 6.0 (Patentlin)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/652,877
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/15203
FILING DATE: 22-NOV-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/344,836
FILING DATE: 23-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/487,314
FILING DATE: 07-JUNE-1995
ATTORNEY/AGENT INFORMATION:
NAME: Savitzky, Martin
REGISTRATION NUMBER: 29,699
REFERENCE/DOCKET NUMBER: A1355E-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-454-3816
TELEFAX: 610-454-3808

; INFORMATION FOR SEQ ID NO: 88:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 4655 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-652-877-88

Query Match 2.7%; Score 128.5; DB 4; Length 4655;
 Best Local Similarity 18.4%; Pred. No. 0.055;
 Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

156 CGHGFAGDGLPSTVIGSAFNMFIIGICVYIPDGETRKIKHL-----200
 1415 CDGVMLESGRCKY-TASESLLLVASONKIIADSVTSQVINITYSLVENGSIYAVDF 1473
 201 -----RVFFITTA-----AMSFAYIMLYMLAVFSPGVQVMEGLTLFFPPVCVLLAWVA 251
 1474 DSISGRIFMSDATOGKTSWAFONGTDRRV--VFSSII-----LTETIADIMWG 1520
 252 DKRLLEFYKMKHKYTRDK-----HRGIIIEEGDHPKGIEMDGKMNSHFLD-----GNLVP 303
 1521 -RNLVMTDVALETIEVSKIDGSHRTVLISKNLNPRGLADPR-MNEHLLEFMSDWGHNPR 1578
 304 LEQKEVDSESRMI-----RIL-----K 321
 1579 IERASMDGSKRYIVYODKIFMPCGLTIDYFNRLLYFMDSYLDYMDCDYNGHHRQYIAS 1638
 322 DLKQKHPKEDLDQVEMANYALSHOOKSRAFYRIQATRMGTAGNILLKKAHEQAKKAS 361
 1639 DLIRHR-----YALTFEDS-VYWTDRATRRVRAN--KMHGNGQSVVMY 1681
 382 SMS-----EVHDEPEDFISKVFDPSCSYQC-----LENC- 411
 1682 NIDMPLGIYAVHPSKOPNSVNPACAFSRCSHLCLSSQGFHYSCVCPSCGSLSPDLLNCL 1741
 412 --GAVLLTVVRKGGDSKTYVYDKTED-----GSANAGADYEFTGTV-----VLKPG 459
 1742 RDQOPFLIYRQHIIIFGISLNPEVKSDAMVPIAGTON-GLDVEFDPAEYIYIWEHPGE 1800
 460 TOKESVSGIIDDIFEDEHFEVRLSNVRIEEOPEGMPPAIFNSIPL--PRAVILASPC 517
 1801 IHR-----VKTGTRNVFAFASISWGPSPMNLA--- 1827
 518 VAVTVLLDDHAGITFECDTIHVSISIGMEVKVLTSG--ARGVITYPFRTEGTAK 574
 1828 -----LDWISRNLY-----STNPRQOSIEVLTLDHDIRYRKTLIAN---DETAL 1868
 575 GGGEDF-----EDTYGELEFKNDETVKTIYKIVDEE-----EY 608
 1869 GVGFPIGIYVDPARKKLYWSDOGTDSGVPAKIASAMNDGTSVKTLPFGNLEHLECYVLDI 1928
 609 EROENEFIALGEPKMMERGISDVTDRKLMEEBEAKRIAMGKR-VLGEHPKLEVIIEES 667
 1929 EEOKLYMAVTVGRGV-IERGNVDGTDRIIL-----VHQLSPHWGLAVHDSFLYYDFQ 1979
 668 YEKRTVVDKLIKKTNLALVYGTHSMRQF--MEALITYSAAGDEDEDESGERLPSCDIY 725
 1980 YEYIERNDVATGANKIVL-----RDVNPMLGLQVYHRRNAEESNG-----CSNM 2026
 726 MHLTVFMKY---LFACV-----PRTYCHGMACFAVSILIGLTLAIIIG---DLAS 771
 2027 MACQOICLPYPGGLFSCACACTGKLNPDNRSCTPYNF-----IVSMLSLIRGFSLELD 2082
 772 HFCCTIGL-----KDSYTAVVFAFGTSVPDTFASKAA--ALODVYAD-ASIGNVT----- 819
 2083 HSETMVPVAGOGRNALHVDVDVSSGFYWCDFSSVASDAMAIRIKRDGSSLMNIYVHGI 2142
 820 GSNAVNVFLGIGLAWSYAAIYW 841
 2143 GENGVR---GIAVDVWAGNLYF 2161

RESULT 6

US-08-652-877-90

Sequence 90, Application US/08652877

Patent No. 6187348

GENERAL INFORMATION:

APPLICANT: Akersstrom, Goran

APPLICANT: Juhlin, Claes

APPLICANT: Rask, Lars

APPLICANT: Crumley, Gregg R.

APPLICANT: Morse, Clarence C.

APPLICANT: Murray, Edward M.

TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments

TITLE OF INVENTION: Theorof and DNA Encoding Same

NUMBER OF SEQUENCES: 106

CORRESPONDENCE ADDRESS:

ADDRESSEE: Rhone-Poulenc Rorer Inc.

STREET: 500 Arcola Rd., 3C43

CITY: Collegeville

STATE: PA

COUNTRY: USA

ZIP: 19426-0107

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Macintosh

OPERATING SYSTEM: System 7.5.1

SOFTWARE: Word 6.0 (Patentin)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/652,877

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/15203

FILING DATE: 22-NOV-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,836

FILING DATE: 23-NOV-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/487,314

FILING DATE: 07-JUNE-1995

ATTORNEY/AGENT INFORMATION:

NAME: Sawitzky, Martin

REGISTRATION NUMBER: 29,699

REFERENCE/DOCKET NUMBER: A1355E-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 610-454-3816

TELEFAX: 610-454-3808

INFORMATION FOR SEQ ID NO: 90:

SEQUENCE CHARACTERISTICS:

LENGTH: 4655 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-652-877-90

Query Match 2.7%; Score 128.5; DB 4; Length 4655;

Best Local Similarity 18.4%; Pred. No. 0.055;

Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

156 CGHGFAGDGLPSTVIGSAFNMFIIGICVYIPDGETRKIKHL-----200
 1415 CDGVMLESGRCKY-TASESLLLVASONKIIADSVTSQVINITYSLVENGSIYAVDF 1473
 201 -----RVFFITTA-----AMSFAYIMLYMLAVFSPGVQVMEGLTLFFPPVCVLLAWVA 251
 1474 DSISGRIFMSDATOGKTSWAFONGTDRRV--VFSSII-----LTETIADIMWG 1520
 252 DKRLLEFYKMKHKYTRDK-----HRGIIIEEGDHPKGIEMDGKMNSHFLD-----GNLVP 303
 1521 -RNLVMTDVALETIEVSKIDGSHRTVLISKNLNPRGLADPR-MNEHLLEFMSDWGHNPR 1578
 304 LEQKEVDSESRMI-----RIL-----K 321

Db 1579 IERASMDGSMRTVIQDKIFMPCGLITIDYPRNLLYFMDSYLDYDFCDYNGHRRQVIAS 1638
QY 322 DLKQHPKEDLDQLEMANAYALSHOOKSRAFYRIQATRMATGAGNLLKHAADQAKKAS 381
Db 1639 DLIIRHP-----YALFLFEDS-VYWDIRATRRMRAN---KMGAGDSVYMY 1681
QY 382 SMS-----EVTDEPEDEFISKVEFPDPCSYOC-----LENC- 411
Db 1682 NIQWPLGIVAVHPKOPNSVPCAFSCSHLCLLSQGFPHFYSCVSPGWSLSPDLLNCL 1741
QY 412 --GAVLLTVKKGDMKTMVVDYKTED-----GSNAGADYFTEGTV---VLKGE 459
Db 1742 RDOPFLTVKQHLIFGSLSEKSNDAWPIAGION-GLDVEFDAEOYIYWEWNGPE 1800
QY 460 TQKFSVGIIDDIIFEDEHFFVRLSNVRIEEOPEEGMPAIFNSLP--PRAVLASPC 517
Db 1801 IHR-----VKTDTNRTVFASISMVPSNLA----- 1827
QY 518 VAVYTIIDDDHAGIFTFECDTIHVSESIGMEVKVLTSG--ARGVIYFRTVEGTAK 574
Db 1828 -----LDMISRNLY-----STNPTQSIIEVTLHGDIRYRKTLIAN---DGTAL 1868
QY 575 GGGEDF-----EDTYGELEFKNDFTYKTIKIVDEE-----EY 608
Db 1869 GVGPPIGITYDPARKGLYSDQGTDSGVPAKIASANMDGTSVKTLFTGNLEHLECVTLDI 1928
QY 609 EROENFEIATGEPKMERGISDVTDRKLTMEEBEAKRIAEMGKP-VLGEHPKLEVIIEES 667
Db 1929 EEOQLYMAVNGRGV-IERGNVNDGTDRML-----VHQLSHPWGLIAVHSPFLYTDQ 1979
QY 668 YEFYTTDKLIKTNLALVGTSHSRDOF--MEAITVSAGDEDEDESCEERLSPCEDYV 725
Db 1980 YEVEYERDKATGANKIYV-----RDNVPNIRGLQVYHRRNMAESSNG-----CSNM 2026
QY 726 MHFLTFMKV---LEACY-----PTEYCHGMACFAVSIILITIGMTATIG---DIAS 771
Db 2027 NACQOICLPYVGGLFSCATGFKLPNDNRSCSPYNSF---IYVSMIATIRGFSLELSD 2082
QY 772 HFGCTIGL---KDSVAVVAVFAGTSVPDTFASKAA---ALQDVAD-ASIGNVT----- 819
Db 2083 HSEHWPVAGGGRNALVHDVYSSGFYWCDFSSVASDNARIKIKPGSSLMNIYVHGI 2142
QY 820 GSNVNVNVLGIGLAMSVAATY 841
Db 2143 GENGVR--GIAVDVAVGNLT 2161

RESULT 7
US-08-973-462-8
Sequence 8, Application US/08973462B
Patent No. 6191270
GENERAL INFORMATION:
: APPLICANT: DAUBERIES, PIERRE
: TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES
: FILE REFERENCE: 0660-0125-0 PCT
: CURRENT APPLICATION NUMBER: US/08/973.462B
: CURRENT FILING DATE: 1998-02-06
: EARLIER APPLICATION NUMBER: PCT/FR96/00894
: EARLIER FILING DATE: 1996-06-12
: EARLIER APPLICATION NUMBER: FR 95/07007
: EARLIER FILING DATE: 1995-06-13
: NUMBER OF SEQ ID NOS: 29
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 8
: LENGTH: 1786
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: polypeptide
US-08-973-462-8

Query Match 2.4%; Score 115.5; DB 4; Length 1786;

Best Local Similarity 20.5%; Pred. No. 0.2;
Matches 94; Conservative 79; Mismatches 168; Indels 117; Gaps 22;
QY 268 DKHNGIIE--TEGDHKGIGMDGKMNKSHFLDGNVLPLEKEQDESRIRILKLO 325
Db 1197 EKDVSLVEEVQDNDMESEV---KYLEKNMEELMK-DVENVINDITSKITETQELNE 1252
QY 326 KHPE--KDLDQLEVMANAYALSHOOKSRAFYRIQATRMATGAGNLLKHAADQAKKAS 383
Db 1253 VEADLIDMEKLEK--ALSEDSK-----EIDAKDPTLEKVEIEEHDIITTL 1300
QY 384 SEV--HDEPEDFITSKYFPDPCSYOCLENGCAVLLTVYRKGDMSKTMVVDYKTEDSAN 441
Db 1301 DEVVELKDVEEDKIEKY-----SDLKDLEEDILKEVKEIKELSELEBDYKE----- 1347
QY 442 AGADYEFTGTVVLPKGTQKFSVGIIDDIIFEDEHFFVRLSNVRIEEOPEEGMPA 501
Db 1348 -----LKTETD-----IIEKKELIEKDF-----EKFEBAE----- 1376
QY 502 IFNSLPPLRAVLASPCVATYTIIDDDHAGIFTFECDTIHVSESIGMEVKVLTSGARGT 561
Db 1377 -----IKLEADILK-EVSLVEVEEKKLEBEVHELKEVEH-- 1411
QY 562 VIYFPRIVEGTAKGGDEDFDTYGL--EKNDETIVTKIKIYDEEBEYEOENFTALG 619
Db 1412 IISGDHAIKGLDEEDLEEVDLKSGIIDLKGD-----MELGDMK-ESLEEDVTTKL 1463
QY 620 EPKMERGISDVTDRKLTMEEBEAKRIAEMGKPVLGHPKL-VIIEESYEFKTYVKLI 678
Db 1464 E--RVESLKDVLSSALGMDQMKYTRK-----AORPKIEVVLKE--EVEEPKPKI 1512
QY 679 KRTNALVGTSHSRDOFMEAITVSAGDEDEDESCEE 716
Db 1513 TKKVRFDIKDKPEKDELVEY---EMKDEDIEEDVEE 1546

RESULT 8
US-07-853-913-2
Sequence 2, Application US/07853913
Patent No. 5338839
GENERAL INFORMATION:
: APPLICANT: McKay, Ronald D.G.
: TITLE OF INVENTION: Nestin Expression As An Indicator of
: TITLE OF INVENTION: Neuroepithelial Tumors
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
: STREET: Two Millitia Drive
: CITY: Lexington
: STATE: Massachusetts
: COUNTRY: U.S.A.
: ZIP: 02173
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/853.913
: FILING DATE: 19920319
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/660,412
: FILING DATE: 22-FEB-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/603,803
: FILING DATE: 25-OCT-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/201,762
: FILING DATE: 02-JUN-1988
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/180,548

```

;
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: MIT-4641AAAA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-861-6240
; TELEFAX: 617-861-9540
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1805 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-853-913-2

```

```

Query Match          2.4%; Score 115.5; DB 1; Length 1805;
Best Local Similarity 18.8%; Pred. No. 0.2; Mismatches 123; Gaps 18;
Matches 99; Conservative 89;

```

```

QY 268 DKHGIITTEGDHPKGI-EMDGKMANSHFLDGNLPLECKEYDESRREMRITLKDKOK 326
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 734 DQAGSLDKNEPRLGYEAEQMLE-----RLIEKESQSLKSPDEENQRIKFLERE 787
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 327 HPEKDLQLEMANYYALSHQOKSRAFYRIQATRMATGAGNLIKHAQAQAKKASSMSEV 386
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 788 N-QKSLRYLEENQETVPLESRNQR--LRSLVEEEDQRIYKPLEKVSQDSLGLAE 843
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 387 HND-----EPEDFISKVFEDPCSYQCLNCGAVLLTVKKGDMSKTMVYDKTEDGSAN 441
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 844 NVOPLRYLEDDCINKSLLEDKTHKSLG-----LEDRNGD 879
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 442 AGADYFETGTVLKPGETOKESVGIIDD-----IFEDEHFFVR-----LSN 486
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 880 SIITPOSETOVSLRPEEDQRIYVNHLEKESQESRSSEEQVERSLGEGNHESLS 939
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 487 VRIEEOPEEGMPAIFNSLPLRAVLASPCVATVITLDDHAGIF-----TFE 535
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 940 VEREDQVMSOLEKESQDS---GKSLDESOETFGPLEKENESLRLSAGDQEQKLE 995
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 536 CQTIHSEISIGWEVYVLTSCARGTVIYPRIVEGTAKGGGDEFDYGELEFFKNDYV 595
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 996 QETQOQLRAVNGQMAVSPPEKVDPLPRPLGNDQEIARSLGKQNESISLKEKGIETV 1055
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 596 KTRIVKIVD-----EEVEERQENEFALGEPKMER-----GIDAVD 633
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 1056 KSIETETIIEPLEAEDELERRS--IDQEPMLSTEVARNEYPPDEPPGSLGSVDENR 1113
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 634 RKLIMEEBAKRIAEKGPVLEGEHPLEVIIEESYEFKTTVDKLIK-----KTNL 683
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 1114 ETLTSLKESQELSLGK-----MNVETRVEDSQOCLQVEEGLQEQHQSIREVKQEL 1167
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 684 ALVVGTHSRDQF-----MEA-ITVSAAGDEDEDE-----SGEE 716
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 1168 PSSGNOQRWEDVEGKAVGOEAPLATTVGTEDKALHLRGOGEE 1213

```

```

RESULT 9
US-09-134-001C-3608
; Sequence 3608, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3608

```

```

; LENGTH: 339
; TYPE: PRP
; ORGANISM: Staphylococcus epidermidis
; US-09-134-001C-3608

```

```

Query Match          2.4%; Score 113.5; DB 4; Length 339;
Best Local Similarity 20.4%; Pred. No. 0.017;
Matches 69; Conservative 53; Mismatches 149; Indels 67; Gaps 12;

```

```

QY 195 RKIKHLRVEFTTAASIFAYIMLMLAVFSPGVOWEGLTLFFPPVCYLLAMVADR 254
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 3 RKIKRSDLMF-SIGFTIIVIIIVALLILFSPVGLWISALAA---GVHVGIGTLVGR 58
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 255 LFFYKYMKKYRFDKHRGIITIEDGHPKGIEMDGKMANSHFL-----DGNL----- 301
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 59 L-----RRVSPRKATAPLIKAKAGLNTTQOLSHYLAGNVDRVYDANITAAQR 108
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 302 ---VPLE-GKEYDESREMRITLKDKOKHPEKDLQLEMANYYALSHQOKSRAFYRI 356
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 109 ADIDLPEFRGALIDLGRDLEAVQ---MSVNPVIEPTFPIAGVAMNGIEVKAARITVRA 166
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 357 QATRMATGAG-NILKHAQAQAKKASSMSEVHTDEPBDISKVFEDPCSYQCLNCGAVL 415
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 167 NIARLVGAGGEETIARVGEIVSTIGSEHHT-----EVLNPDNIS 209
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 416 LTVYRRG---GDMSKTMVYDKTEDGSANAGAYE---FTGCTVYLKPGETOKESVGI 468
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 210 KTVLSGLDGSITAFELTSLIDADVDSKNGADLQEQALADKNIAQAKAEERRAMA 268
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 469 IDDDIFEDEHFFVRISNVRIEEOPEEGMPAIFNSL 506
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 269 -----SEDEMKAQVQEMAKVVEAESEVPLAMAL 299

```

```

RESULT 10
US-09-134-001C-3350
; Sequence 3350, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3350
; LENGTH: 660
; TYPE: PRP
; ORGANISM: Staphylococcus epidermidis
; US-09-134-001C-3350

```

```

Query Match          2.3%; Score 111; DB 4; Length 660;
Best Local Similarity 19.1%; Pred. No. 0.096;
Matches 83; Conservative 67; Mismatches 131; Indels 154; Gaps 20;

```

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QY 556 SGARGTVIVPERTVEG-----TAKGGGEDEFE-----DTYGE 586
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 30 STYAGVYIARKMGOGYDVRVLTGTDEHGOKIOEKAKGKTELELDEMISIKLWMS 89
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 587 LEFKNDYTKTI--RKVIYDEEYER-QENFFIAGEPRMMERGISDYDRKLTMEEEA 643
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 90 LEISNDPFRITBERHKQYVEKVFERLKGODIYDE---YEGWVSVDDEFYTSQVLY 145
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 644 KRIAEKGPVLEGEHP---KLEVIIESEYEFKTT--VDKLIK----- 679
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
DB 146 DPVYENGKIVGSGPSGHEVELYKESEYFINKYTKTDRLLEFYDENPDPIOPPSKRNEM 205
   | : : : | : : : | : : : | : : : | : : : | : : : | : : : | : : :
QY 680 -----KTNLALVVGTHSWRDQ-----FMEAIT--VSAAGDEDEDES----- 713

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Db 206 INNEFKPGLDPAVSRFTDGVPRVSPKHHVYVWIDALVNYISLSGLYSDDEFLFNKY 265
Qy 714 -----GEBRLPSCFCFYVHFLVFKVLFAAC-----VPPTECHGACFAVSLILIGM 761
Db 266 WPAIDHLMAKE-----IVRFHSITWPIILMALDLPKPKVFAHGM-----LMDKGK 312
Qy 762 LTAIGD-----LASHGCTIGLDSVTAVEVAFSTVDPFASKAALQDVYADASI 815
Db 313 MSKSGNVVDPNVLIDRYGLDATTRYLMRELPGSDGVFTPEAFYER-----TNDL 364
Qy 816 GNVGSAVNVNVLGIGLAMSVAAYI-----ALOG-----QEPHVSAG 853
Db 365 ANDLG-MLVNRRI-----SMINKYFHEGLPAPYOGPKHELDKEMALETVSKFNDEME 417
Qy 854 TLAFSVLTETIFAFY 868
Db 418 SLOFSVALSTWKEFI 432

RESULT 11

US-09-134-001C-3159

Sequence 3159, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC-007

CURRENT APPLICATION NUMBER: US/09/134,001C

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055,779

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 3159

LENGTH: 10182

TYPE: PR

ORGANISM: Staphylococcus epidermidis

US-09-134-001C-3159

Query Match 2.3%; Score 111; DB 4; Length 10182;
Best Local Similarity 21.2%; Pred. No. 12;
Matches 97; Conservative 70; Mismatches 168; Indels 122; Gaps 22;

Qy 310 DESREMRIRLKDLOK---KHPEKQ-----LDOLVEMANYA-----LSHOK 349
Db 9479 DATSDLVNOKAKDEQSAIEHITHADELPKAKLDANOMIDQVEDINHLISONPNLSNEEK 9538
Qy 350 SRAFYRIQATMMTGAGN---ILKHAEOAKKASSMSEVHTDEPEDFISKVFEDPCSY 405
Db 9539 NKLISQI--NKLNVGIRKKEIOQAINKQOIEANA--TTKDEVIETTKILIKAKA-----AK 9590
Qy 406 QCLKCGCAVLTIVVRKGGDSKMTVVDYKTEDGSANAGADYFETGTVLKPGETOKERS 465
Db 9591 QMIKELSKKRDAINNNNDL-----TFSOKAHALADIDKTE---KDALQHIENS 9636
Qy 466 VGIIDDOFEEDEHFVRLSVNRIEEOPREGMPAIFN--SLPRAYVLAISPCVA-----519
Db 9637 NSI--DDINNNKEHAFNTLAIHIIWDIDQ---PLVEFVELSLONLVSEVVAHDE 9690
Qy 520 -----VTIILDDHAGIFTECDTIHVSISIGVMEVRLTSGARGVIVPEFTVE 570
Db 9691 TISLESIKKMTLIDELKVNIVSLP--NTDKVADH--TAKVAVIILADSGVTVVNNPVKAYE 9748
Qy 571 GTANGGGEFEDYGELEFKNDETVKIT-----RVKIVD-----EEEXERO 611
Db 9749 -----KEIQIAKKDAIKTIDVLVQKIKINDSNNELTSTQREDAKAEIERL 9794
Qy 612 ENFFIALGEPKMMERGISDVYDKRLTMEF-----EAKR--IAEMGRPVJGEH 657
Db 9795 KKQAI---DKVNHKSISIDIEIVKRTDEEIDOPDKPKFTLNKAKKDIITVDNIOJNGF 9851

Qy 658 PKLEVIIEESYEFTVDR---LIRKTNLALVGTSHS 691
Db 9852 KEIEFIKGLTSENEKTQFQKLTALQKELEKVEHANN 9888

RESULT 12

US-09-708-426-8

Sequence 8, Application US/09708426

Patent No. 6444429

GENERAL INFORMATION:

APPLICANT: HAN, YE-SUN

APPLICANT: YU, YEON-GYU

APPLICANT: LIM, JAE-HWAN

TITLE OF INVENTION: GENE CODING FOR DNA LIGASE OF HYPERTHERMOPHILIC BACTERIA AQU

TITLE OF INVENTION: PYROPHILUS AND PROTEIN EXPRESSED THEREFROM

FILE REFERENCE: 199579US0

CURRENT APPLICATION NUMBER: US/09/708,426

CURRENT FILING DATE: 2000-11-09

PRIOR APPLICATION NUMBER: KR99-49591

PRIOR FILING DATE: 1999-11-10

NUMBER OF SEQ ID NOS: 12

SOFTWARE: PatentIn version 3.0

SEQ ID NO 8

LENGTH: 720

TYPE: PR

ORGANISM: Aquifex aeolicus

US-09-708-426-8

Query Match 2.3%; Score 110.5; DB 4; Length 720;
Best Local Similarity 19.3%; Pred. No. 0.13;
Matches 127; Conservative 84; Mismatches 207; Indels 241; Gaps 34;

Qy 303 PLEKGEVDESREMRIRLKDLOK---KHPEKDLQOLVEMANYVALSHOOKSRAFYRIQAT 359
Db 4 PERKELOEKTRRELIRKTKDYKLSFEAKKLAEDLVIRY---HDYK---YIYEAN 55
Qy 360 -----RMGTGAGNLIKHAEOAKKASSMSEVHTDEPEDFISKVFEDPCSYOCLN 410
Db 56 PVIDPDYDRFLRALKEIEKKY-PELTIPDSPTQVASEISGEPPVKNHYTP--MLSDN 112
Qy 411 CGA--VLTIVVRKGGDSKMTVVDYKTED-----GSANAGADY--EF 448
Db 113 AYSEDELEEFRRRQJITGLEVEVAPKLDGAGIALVYENDLFVRGATRGDEYGED 172
Qy 449 TEGTVLKPGETOKESVGIIDDOFEEDEHFVRLSNVR-----IEEOPEE 496
Db 173 TNNLKTITPLKAFS-----RFGIKLAEIRGEVYIRKDEPKLKKERME 219
Qy 497 GMPAIFNSLPLPRAVLASP---CVATVTIILDDHAGIFTECDTIHVS-----542
Db 220 GLPP-----FANPRMAAGSIRQDKPREVAKRNLEALIVHLSYVEPETERPT 267
Qy 543 --ESIGVMEVAVLTISGARGVIVPRTVEGTAGGGGDFEDYGELEFKNDEVTIRV 600
Db 268 HYESL--KMLHTLG-----FKTL-----FKQTKKGIDE 295
Qy 601 KIYDEEYERQENFFIALGEPKMMERGISDVYDKRLTMEEBEAKRIAMGKPVLG---EH 657
Db 296 VIECKEWEKKRDSY-----PYEIDGMVVKVNDRLM-----KVIGTISHH 336
Qy 658 PKLEVIIEESYEFTVDR---LIRKTNLALVVG-----THSMRDQ 695
Db 337 PRMAI---AKKPRPRAVTKLVQVQVGRGTITTPYGLPEVLGCVTVSSSLFNE 392
Qy 696 FM-----EATVSAAGDE-----DEDESGEER-----LPSCEDYVNHFLTVF 732
Db 393 FIREKDIRIGDMVYVERAGDVIPIVVEVYLKEREKRGEEKPVPEFKYCPSCGSELVKL----448
Qy 733 WKVLFACVPPTYE---CHGMACFAVSLILIGMLAIIGDLASHHGCTI--GLKDSVTAVF 788
Db 449 -----PEEVAIRCNISCPAOSVL-----RIKHNASRDAMDITRGIGDATIKLFL 492

QY 789 -VAFSTVDPFASKAALODVYADASIGNVTGSNAV-----NVELGIGLAW 834
DB 493 NNGLAKNDVGDLYLK---LTDLTKLPGEKESAMULKAIKESKRNPLDRVLXGIGIRY 548

RESULT 13

US-08-726-214-6
; Sequence 6, Application US/08726214

Patent No. 6107076

GENERAL INFORMATION:

APPLICANT: Tang, Wei-Jen

APPLICANT: Gilman, Alfred G.

TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE

TITLE OF INVENTION: AND USES THEREFOR

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Durkee

STREET: P.O. Box 4433

CITY: Houston

STATE: Texas

COUNTRY: United States of America

ZIP: 77210

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/726,214

FILING DATE: Concurrently Herewith

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/005,498

FILING DATE: 04-OCT-1995

ATTORNEY/AGENT INFORMATION:

NAME: Highlander, Steven L.

REGISTRATION NUMBER: 37,642

REFERENCE/DOCKET NUMBER: UTSD:450

TELECOMMUNICATION INFORMATION:

TELEPHONE: (512) 418-3000

TELEFAX: (512) 474-7577

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 1144 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

US-08-726-214-6

Query Match 2.3%; Score 109.5; DB 3; Length 1144;

Best Local Similarity 17.9%; Fred. No. 0.36;

Matches 133; Conservative 112; Mismatches 261; Indels 235; Gaps 32;

QY 131 ETVSNL-----TLMAGSSAPETLLSLIEVCGHGTAGDGPSTIGSAAFNMF 179
DB 60 ESELEMLQYEFKROKHETLLVYFAALFDCYVVMCAVVFSSDKLAPLVAGVGLVDI 119
QY 180 ILIIGICVY-VIPDGETRK-IKHLRVFTTAAVSIFAYIWL-----YMLI 221
DB 120 ILFVLCCKGLPDRVSRKVVPLYLMLLTA--QIFSYGLNFSRAHAASDTVGWQAFVYF 177
QY 222 AVF-----SPGVV-----QWEGILLTFEPVVCYL 246
DB 178 SEFTLPLSLSPVITISVSCVHTLVGLVTAQOODELEGMOULREILAVVFYLCAI 237
QY 247 LA-----WVADKRLLFYKMKKKYRTDKRGITIEEGDHPKGIEMDGKMMNSHFLDGL 301
DB 238 IYGSIMYADR-----KIRKAFLEKROSLKMKMLEEESQOQENLMSI 282
QY 302 VLEKGVDESRRERIRILKDKQKHPKEDLDQVLVEMANYVALSHQOKSRAFYRIQATRM 361
DB 283 LP---KHVAD-----EMLKDKMKDESQKDOQOQFNTM---YMYRHEVNSILFADIVGFTQ 330

QY 362 MTGAGN-----ILKHAAEQAKKASMSMEVHTDEBEFISKVFDPCCSYOCLENGA-- 413
DB 331 LSSAGSAGQLVLLNLELFRPDKLAKYHQLI-----KILGD--CYICI--CGLPD 378
QY 414 -----VLLTVRRKGDMSKTMVVDYKTEEDGSANAGADVEFTGTVVLKPGETOKESVGI 468
DB 379 YREDHAVCSILMGLMVAEALSYVREKTKG-----VDMRVGHTGVLAGV 424
QY 469 IDDDIFEEDEHEFFVRLSNRIEEOPEEGMPAIRNSLPPLRAVLASPCVATVITLD--- 525
DB 425 LQKRWOYD---VWSTDVTANKMEAGGIPGRVHS-----QSTMCLKGEF 468
QY 526 DHAGIFTEECPTIHVSESIGV-----MEVKYLRTSGARGT-----V 562
DB 469 DVEPDGGSRCYLL--DEKGIETVLLIASKPEVKTAONGSLNGLPAGAPASRPSGA 525
QY 563 IVPFTVEGTAKGGEDEFTYGELEFKNDETIVKTVIPEEYEROENFFIALGEPK 622
DB 526 LIETKEPNSSAHASGTSSEA-----EEOQAQDN--PSFPNPR 562
QY 623 IMERGISDVTDRKLTMEEBEAKRIAMGKPVLGHPKLEVTIESEYEKTVDKLIKTN 682
DB 563 RRLR-LQDLADRVVDASED-----EHELNLNLEALIERESA--QVVKRN 605
QY 683 LALVGTSHWRQPFMAIVSAAGDEDESGEERLPSCFDVVMHFLVFMKVLFCVPP 742
DB 606 TFLTL-----MRFDPENETRYSVKEKQSGAAPSOSC---VLFCTAMVEILLDPWLM 656
QY 743 TEYCHGMACFAVSLIIGMLT 763
DB 657 TNV---VTFVVGVEVILLIT 673

RESULT 14

US-08-050-684-2

; Sequence 2, Application US/08050684

Patent No. 5550221

GENERAL INFORMATION:

APPLICANT: Johann Dr., Stephen V.

APPLICANT: Van Zelji Dr., Marja

APPLICANT: O'Hara Dr., Bryan M.

TITLE OF INVENTION: Amphitropic Virus Receptor

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: American Cyanamid Company

STREET: 1937 West Main Street

CITY: Stamford

STATE: CT

COUNTRY: United States of America

ZIP: 06904-0060

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/050,684

FILING DATE: 16-APR-1993

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Lowney Dr., Karen A

REGISTRATION NUMBER: 31,274

REFERENCE/DOCKET NUMBER: 31937-00

TELECOMMUNICATION INFORMATION:

TELEPHONE: 203-321-2971

TELEX: 710-474-4059

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 652 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

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